

Fulton Avenue

New York

EPA ID#: NY0000110247

EPA REGION 2

Congressional District(s): 04

Nassau

Garden City Park on Long Island

NPL LISTING HISTORY

Proposed Date: 9/25/1997

Final Date: 3/6/1998

Site Description

The Fulton Avenue Site located at 150 Fulton Avenue is the former location of a cutting mill and dry cleaning facility. The property is about 0.8 acre and houses a 20,000 square foot building. There have been numerous previous owners and/or occupants of the building, some of which utilized a dry cleaning process in their production line.

Data suggest that a groundwater plume of volatile organic compounds (VOCs), composed chiefly of the dry cleaning solvent tetrachlorethene (PCE), is emanating from the former dry well located at 150 Fulton Avenue and is migrating both horizontally and vertically. Numerous public supply wells may have been or may currently be impacted by this plume.

Site Responsibility: This site is being addressed through Federal, State and Potentially Responsible Party (PRP) actions

Threat and Contaminants

VOCs, especially PCE, were detected in both on-site and off-site groundwater monitoring wells and have impacted at least one public supply well and possibly others in the area. These wells have either been taken out of service or had treatment installed in order for the well water to meet drinking water standards. Operating wells which may have been impacted by the Site's plume are routinely monitored to ensure compliance with State and Federal drinking water standards. Subsurface soils were also contaminated with VOCs.

Cleanup Approach

This site is being addressed in two stages: an Interim Remedial Measure (IRM) focusing on cleanup of the on-site soils and nearby groundwater; and a long-term investigation of contaminated groundwater and source area soils in the study area.

Response Action Status

Previous Actions: A Focused Remedial Investigation (RI) was prepared to document the source of on-site groundwater contamination and to initiate the IRM described below.

Removal Actions: An IRM operated at the site from October 1998 until November 2001. As part of this action, contaminated sediments and soils were removed from the base of the drywell and an air sparging/soil vapor extraction (AS/SVE) system operated until soil gas and indoor air contaminant readings met New York State air requirements. In early 2004, a sub-slab ventilation system was installed to remove soil-gas from under the building at 150 Fulton Avenue as a further protective measure. This IRM was conducted by the potentially responsible parties (PRP).

Contaminated Groundwater: The RI has been completed and was commented on by EPA and the New York State Department of Environmental Conservation (NYSDEC) in October 2005. The investigation has determined that other plumes of groundwater contamination are commingling with the site plume. The Feasibility Study to evaluate and recommend alternatives to mitigate this contamination was submitted to EPA and the NYSDEC in February 2006. The revised second draft of the FS was resubmitted in July 2006. EPA produced an addendum to the FS to clarify issues in the draft FS. The draft FS and addendum were approved by NYSDEC and EPA on February 15, 2007

The Proposed Remedial Action Plan for the Fulton Ave. OU1 site was issued on February 23, 2007 which described EPA's preferred remedial alternative for the site and solicited public comment on the Proposed Plan. A public meeting was held on March 6, 2007 at Garden City Village Hall to present the findings of the RI and FS, and to solicit comments

from the public regarding the recommended remediation plan. A Record of Decision was issued in September 2007.

A Consent Judgement was signed in September 2009 whereby a PRP has agreed to perform the remedial activities described in the ROD. The Remedial Design of the systems has begun and pre-design field activities will start in Summer 2011.

During the investigation of the groundwater contamination downgradient of 150 Fulton Avenue, it was determined that there were other potential sources of contamination in the local aquifer system which required further investigation. The plume emanating from 150 Fulton Avenue had a definitive signature (PCE dominance) and will be addressed as Operable Unit #1 for this site. A field investigation to address area-wide TCE-dominant contamination, Operable Unit #2, has recently begun.

Cleanup Progress

The AS/SVE system (IRM) has met its cleanup goals and has been dismantled. Soil gas and indoor air samples have shown the system to have been fully effective. Over 10,000 pounds (approximately 465 gallons) of PCE were removed by the system. A sub-slab ventilation system was installed during Spring 2004 to assure protectiveness at the site. The actions taken at the 150 Fulton Avenue property have been shown to reduce the indoor air contaminant concentrations to levels below applicable standards.

Nassau County Department of Health and the Garden City Water District (GCWD) presently are managing the site contamination which is migrating into the GCWD wells. The Remedial Investigation/Feasibility Study has been completed and a Record of Decision regarding the remediation of the Operable Unit #1 site-related groundwater plume was issued in September 2007.

A Consent Judgement was signed in September 2009 whereby a PRP has agreed to perform the remedial activities described in the ROD. The Remedial Design of the systems has begun and pre-design field activities will start in Spring 2011. Presently, EPA is reviewing the draft work plan for the OU1 Remedial Design efforts.

Also, the draft Workplan for the OU2 Remedial Investigation is being reviewed by EPA. Field work for OU2 is expected to begin by Spring 2011.

Site Repositories

Garden City Public Library 60 Seventh St. Garden City, NY 11530 (516) 742-8405 Shelter Rock Public Library 165 Shelter Rock Road Albertson, NY 11507 (516) 487-7363